

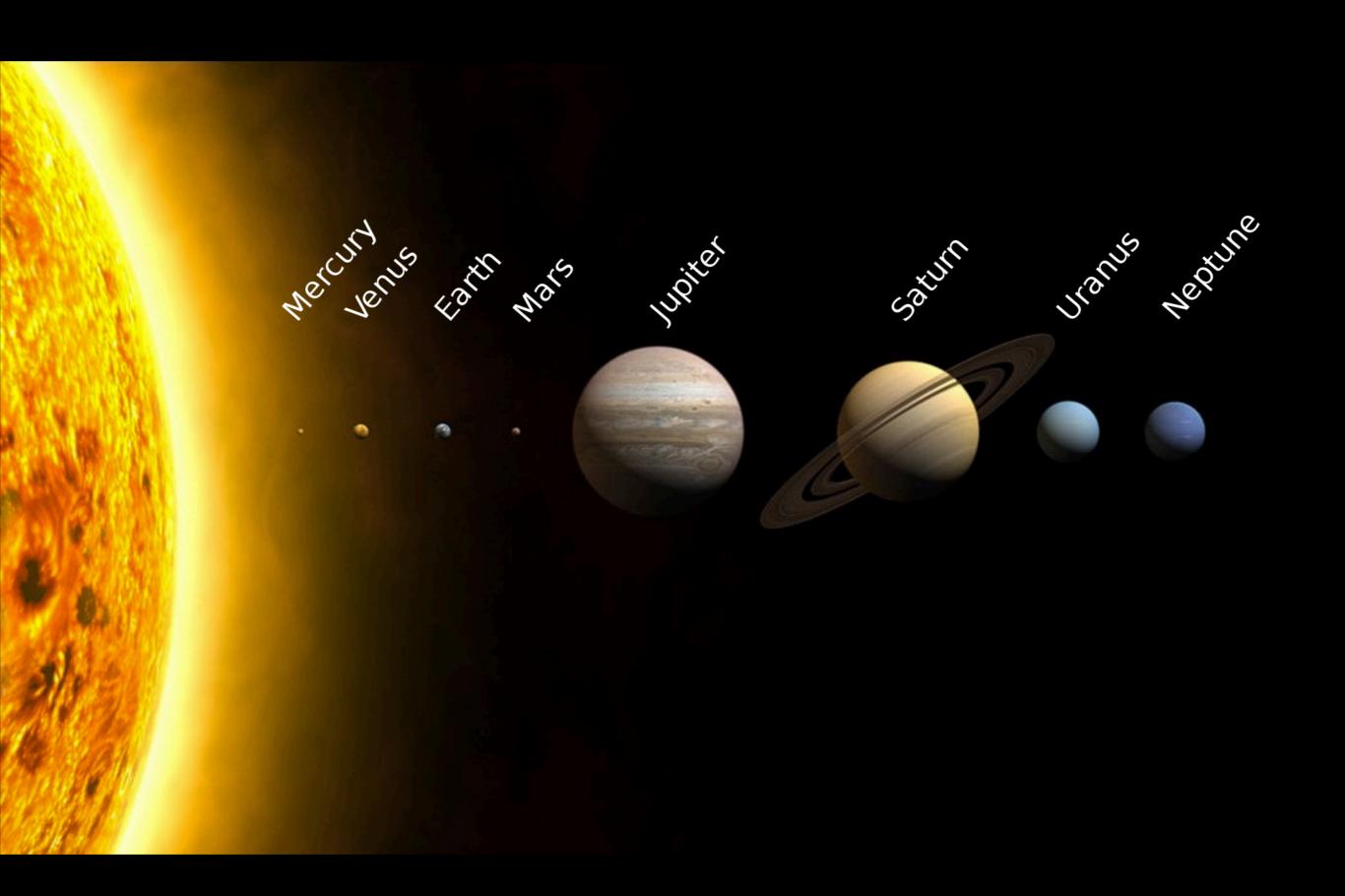


Winks and Wobbles

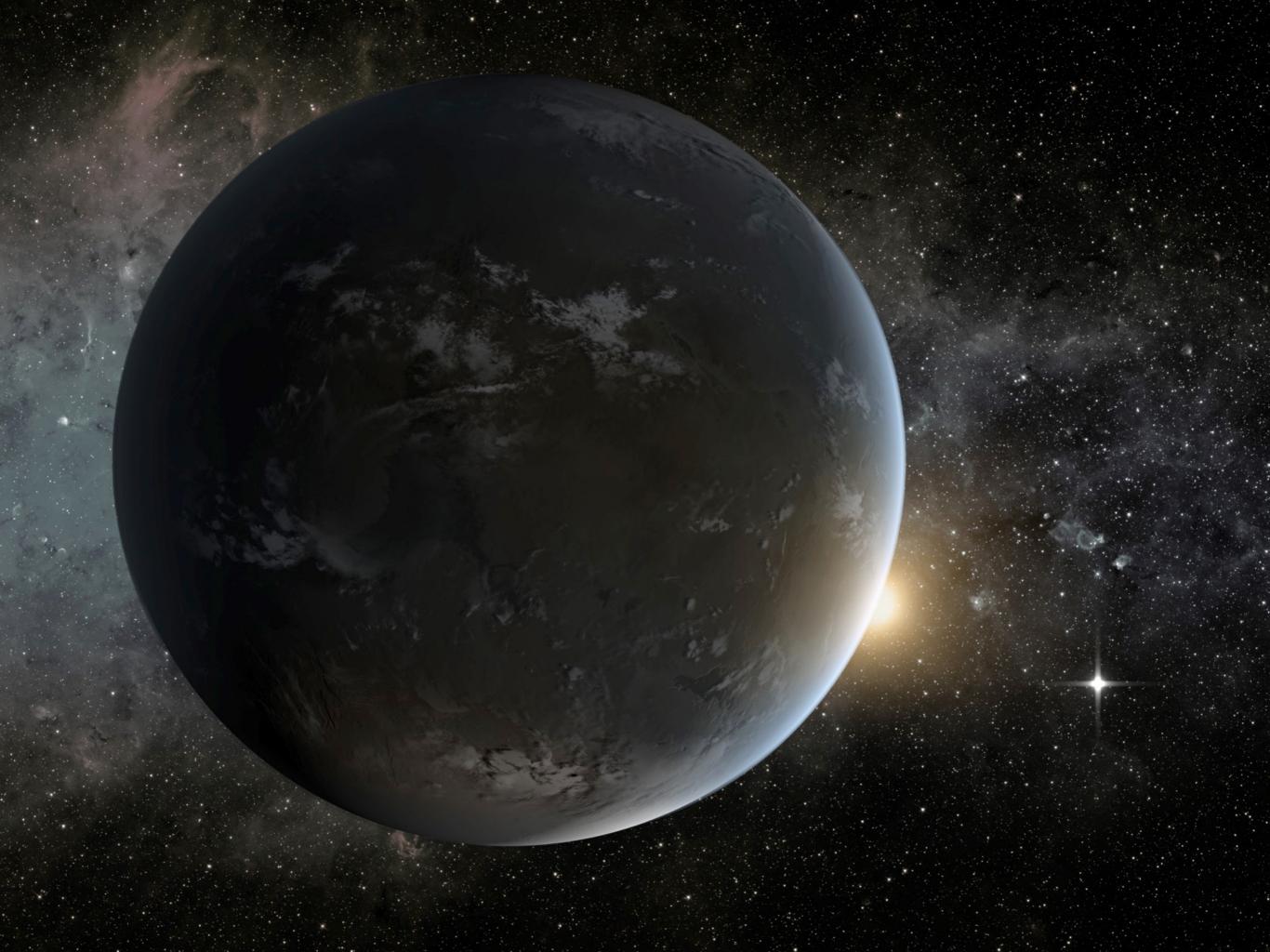
Exoplanets, how to find them, and what they're like

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The University of Warwick















Winks

Wobbles



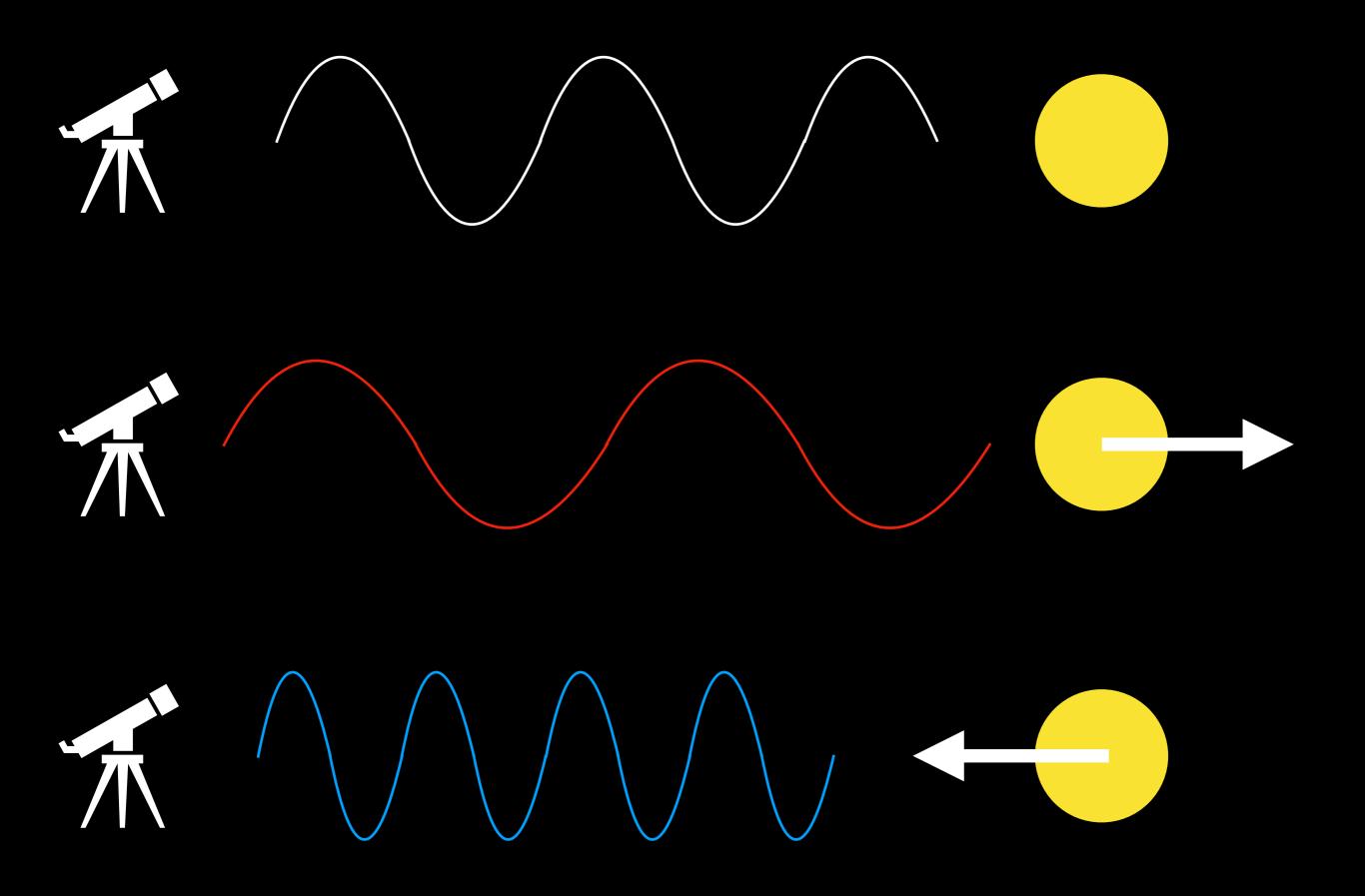
Winks

Transit method

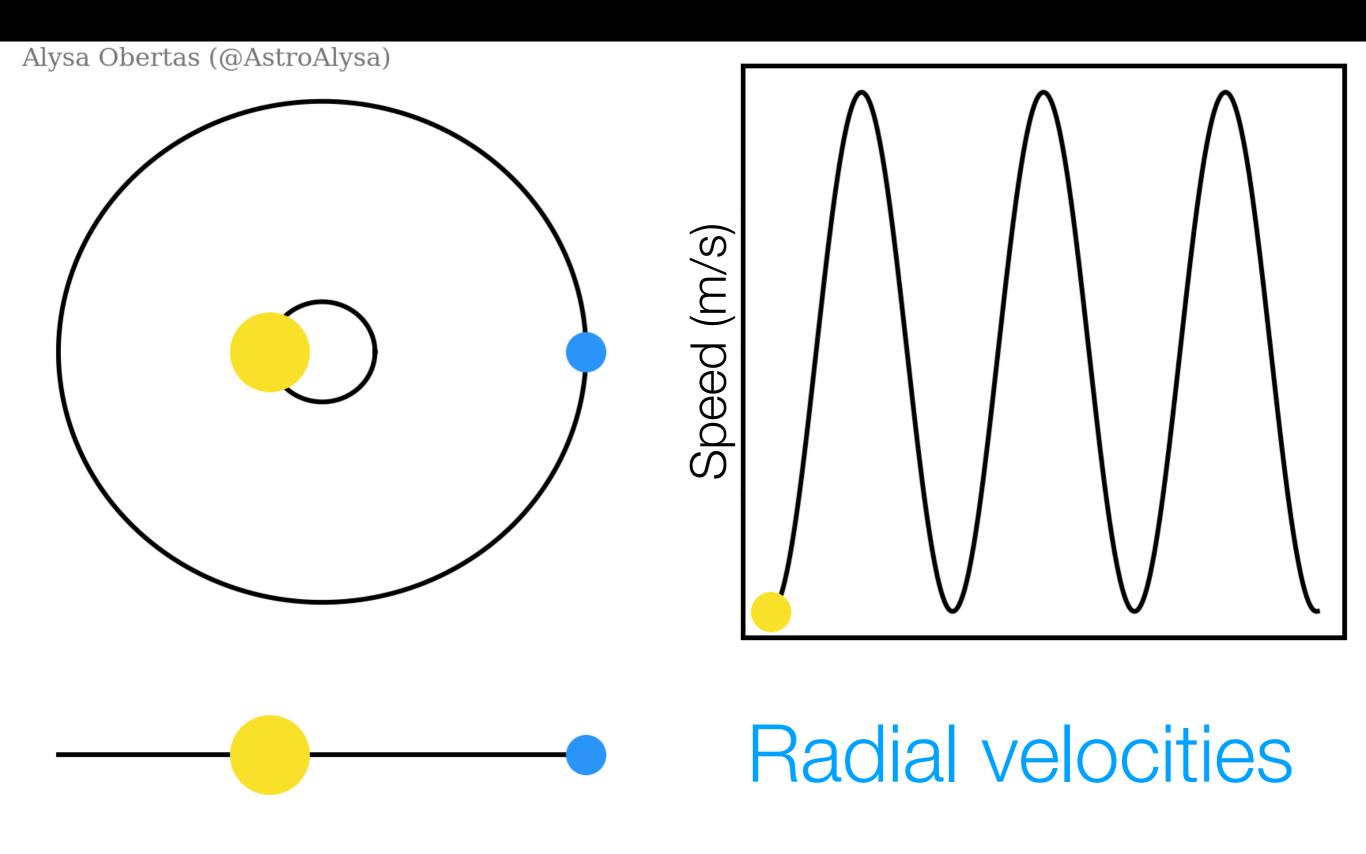
Wobbles

Radial velocity method

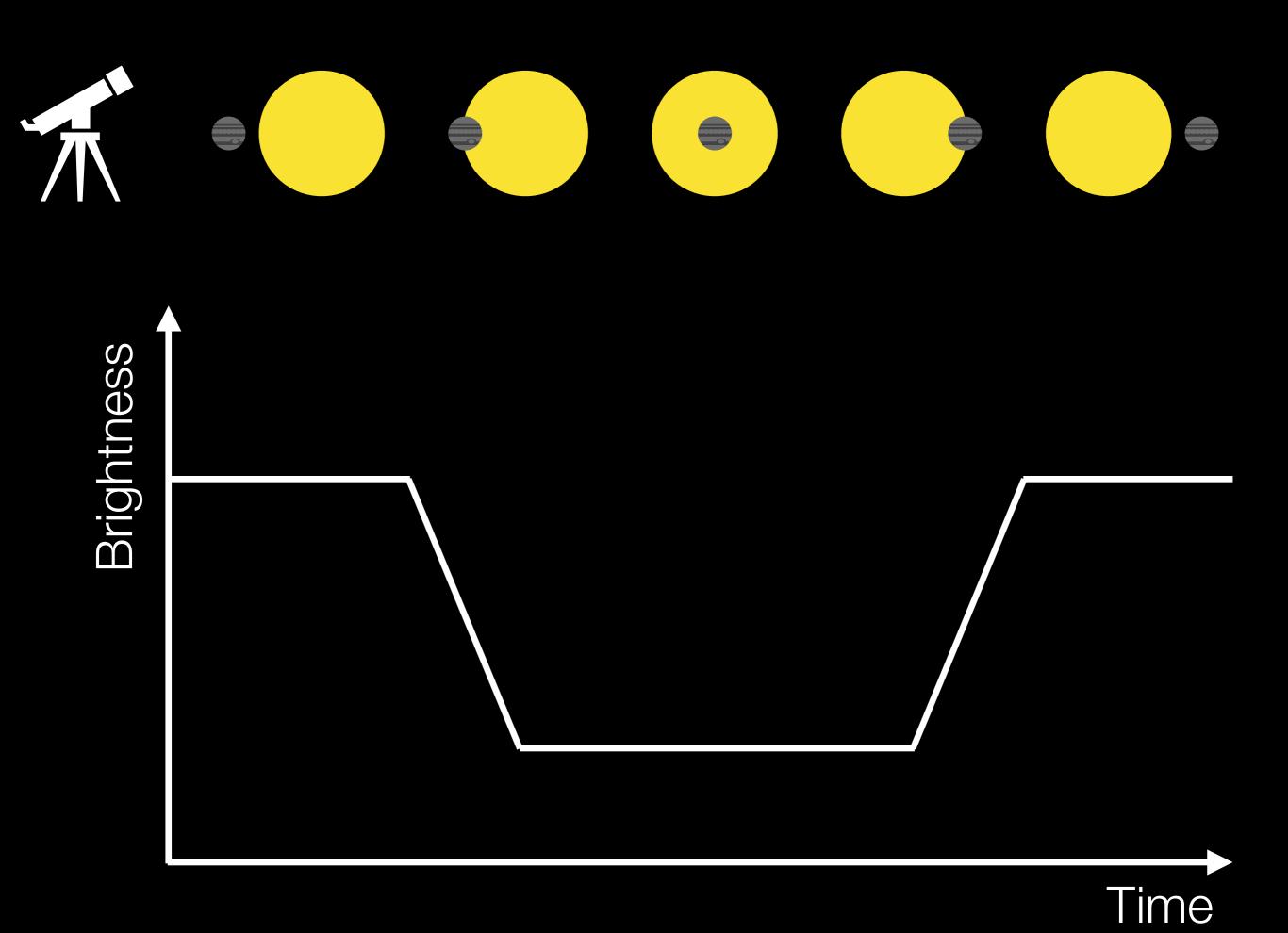
Light also Doppler shifts...

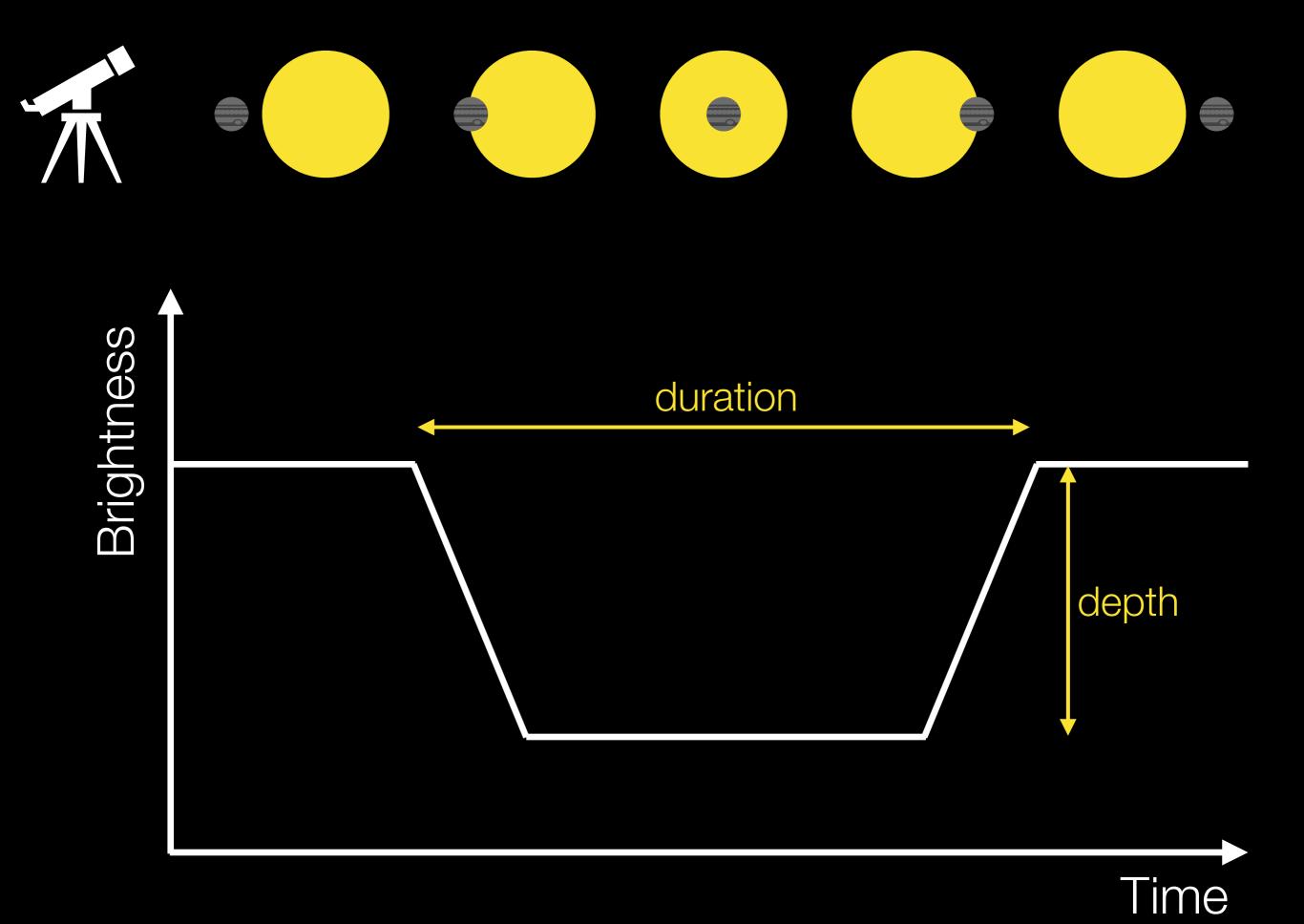


Your turn to explore



Your turn to explore





Your turn to explore



SuperWASP-North Wide Angle Search for Planets (WASP) WASP-South

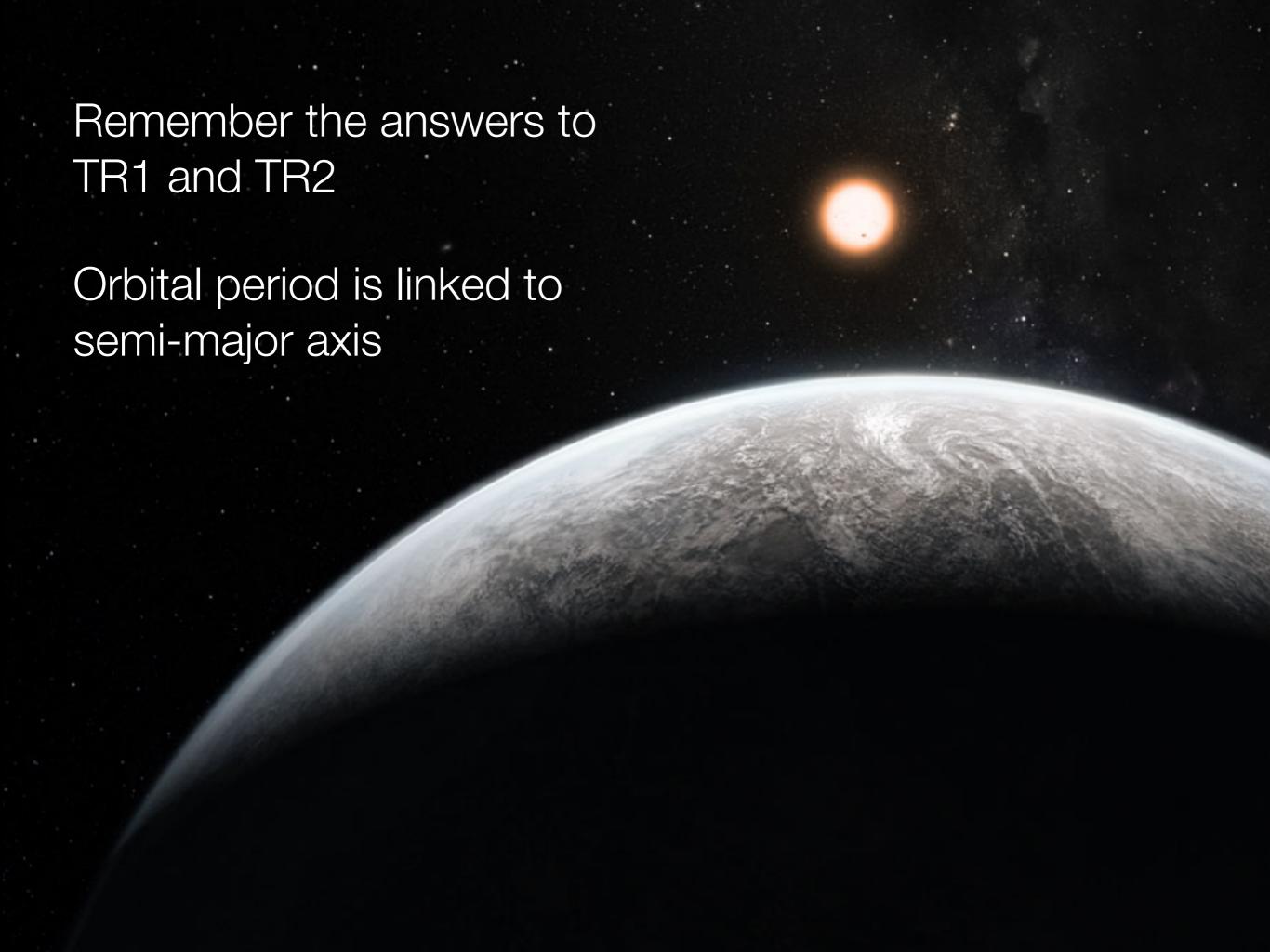


PLATO





Your turn to investigate



f) system5 a) system8 b) system9 g) system11 c) system2 h) system4 d) system6 e) system1

a) system8 f) system5
b) system9 g) system11
c) system2 h) system4
d) system6

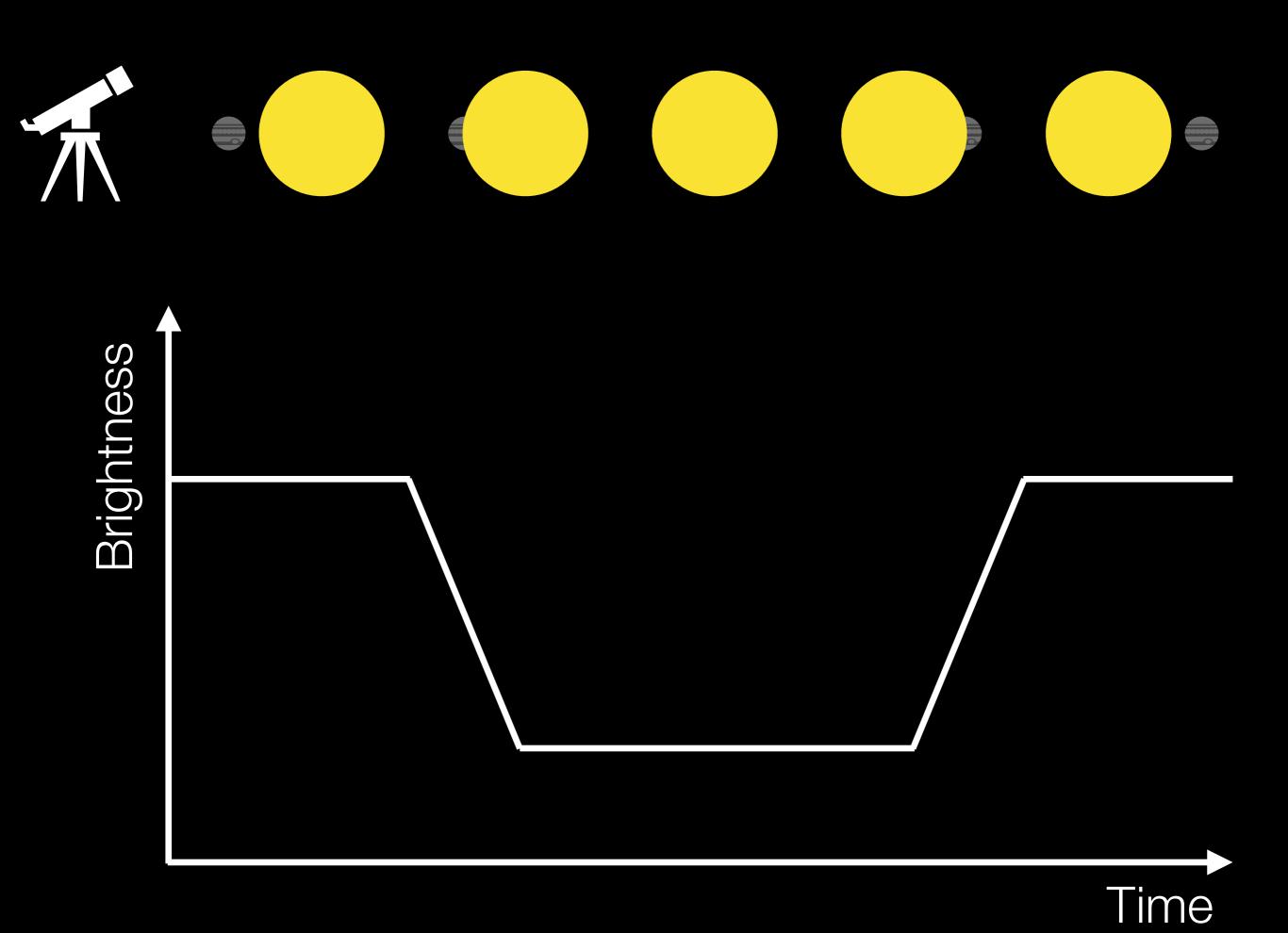
system3 = clouds

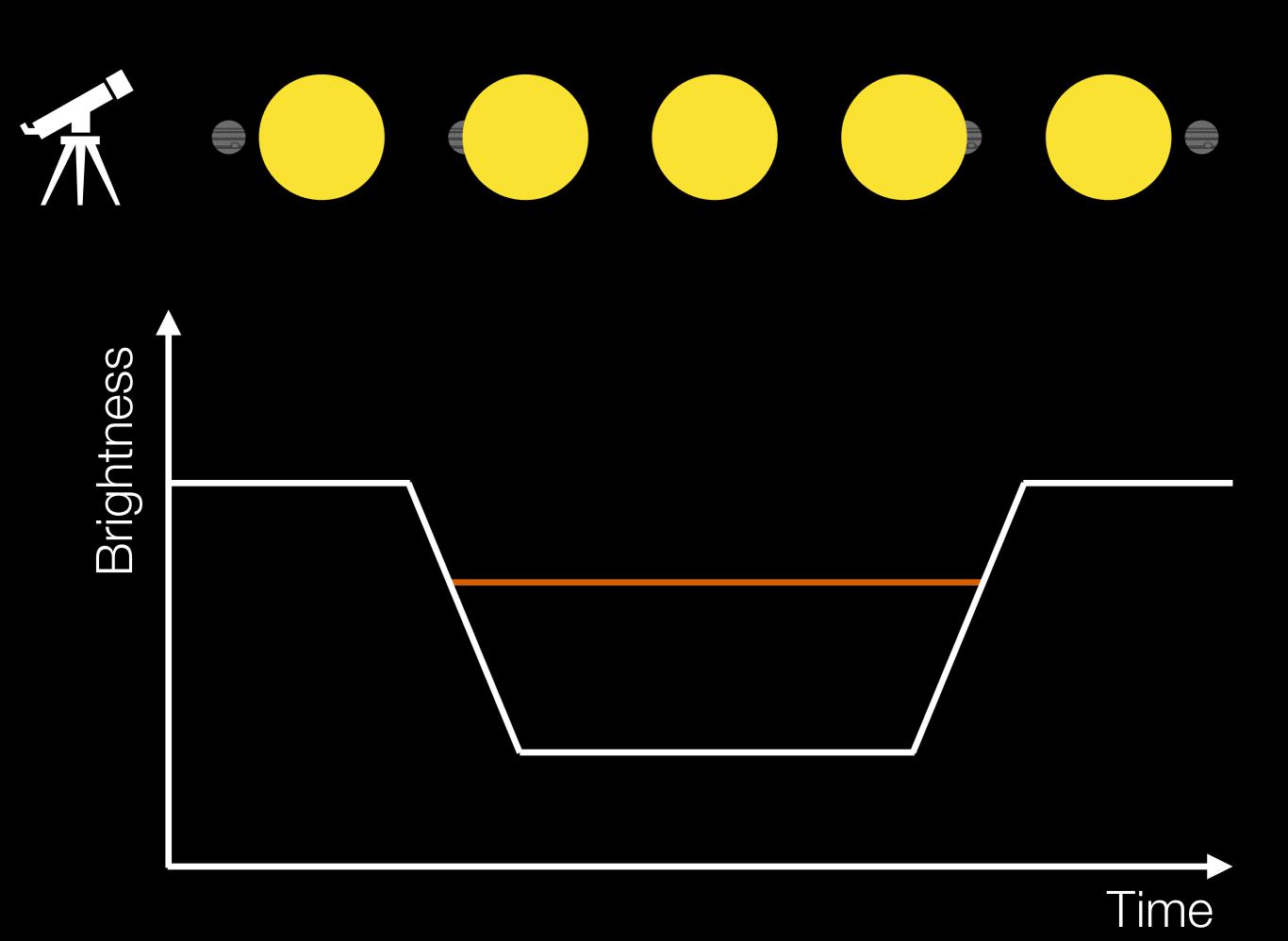
e) system1

system10 = stellar flares

system7 = rotating star

system12 = binary star





What exoplanets are

How you find them

Wobbles - radial velocities

Winks - transits

How the type of planet changes the signal you see

Things that cause transits but aren't planets